

Leonid Kustov

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

404
papers

5,293
citations

33
h-index

58
g-index

434
ext. papers

6,071
ext. citations

2.7
avg, IF

5.98
L-index

#	Paper	IF	Citations
404	Charge-assisted chalcogen bonding in 2-(4-substituted benzoyl)thiazolo[3,2-a]pyridin-4-ium bromides. <i>Dyes and Pigments</i> , 2022 , 197, 109898	4.6	2
403	Processing of lignocellulosic polymer wastes using microwave irradiation. <i>Mendeleev Communications</i> , 2022 , 32, 1-8	1.9	0
402	Modifying HKUST-1 Crystals for Selective Ethane Adsorption Using Ionic Liquids as Synthesis Media. <i>Crystals</i> , 2022 , 12, 279	2.3	0
401	Synthesis and Crystal Structure of a New Chiral Hydrogen-Bonded Organic Framework ZIOC-2. <i>Crystal Growth and Design</i> , 2022 , 22, 2547-2556	3.5	0
400	Gasification of hydrolysis lignin with CO ₂ in the presence of Fe and Co compounds. <i>Mendeleev Communications</i> , 2022 , 32, 402-404	1.9	0
399	Hydrogenation of 1,3-pentadiene on modified Pd-containing catalysts. <i>Kataliz V Promyshlennosti</i> , 2022 , 22, 31-37	0.3	
398	Hydrothermal microwave-assisted synthesis of LaFeO ₃ catalyst for N ₂ O decomposition. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 492-503	3.8	5
397	Modern Carbon-Based Materials for Adsorptive Removal of Organic and Inorganic Pollutants from Water and Wastewater. <i>Molecules</i> , 2021 , 26,	4.8	4
396	Hydroamination of Phenylacetylene on Gold-Containing Catalytic Systems Supported on Substrates Modified with Ionic Liquids under Conditions of Microwave Activation. <i>Russian Journal of Physical Chemistry A</i> , 2021 , 95, 512-515	0.7	0
395	Increasing the yield of aromatic hydrocarbons in aromatization of n-butane over Ga/H-ZSM-5 zeolite using a palladium membrane. <i>Mendeleev Communications</i> , 2021 , 31, 230-232	1.9	1
394	Fresh-Water Mollusks as Biomonitoring for Ecotoxicity of Nanomaterials. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
393	Facile Redox Synthesis of Novel Bimetallic Cr ^{+/} /Pd ⁰ Nanoparticles Supported on SiO ₂ and TiO ₂ for Catalytic Selective Hydrogenation with Molecular Hydrogen. <i>Catalysts</i> , 2021 , 11, 583	4	0
392	Synergistic effect of metal components of the low-loaded Pt-Ni-Cr/C catalyst in the bicyclohexyl dehydrogenation reaction. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 14532-14539	6.7	2
391	Benzene Adsorption on Nanoporous Silica Gels with Grafted Polyfluoroalkyl Layers and the Wettability. <i>Russian Journal of Physical Chemistry A</i> , 2021 , 95, 775-785	0.7	
390	Studying the States of Platinum in Deposited Heteropoly Compounds via Diffuse Reflection IR Spectroscopy. <i>Russian Journal of Physical Chemistry A</i> , 2021 , 95, 949-953	0.7	0
389	Dry reforming of lignin: the effect of impregnation with iron. <i>Mendeleev Communications</i> , 2021 , 31, 376-378		
388	CuO-Fe ₂ O ₃ Nanoparticles Supported on SiO ₂ and Al ₂ O ₃ for Selective Hydrogenation of 2-Methyl-3-Butyn-2-ol. <i>Catalysts</i> , 2021 , 11, 625	4	0

387	Heterogeneous additive-free highly selective synthesis of 2,5-bis(hydroxymethyl)furan over catalysts with ultra-low Pt content. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 2421-2425	3.5	1
386	Decalin Ring Opening on Heterogeneous Me/Saponite Nanocatalysts (Me = Rh, Ru, and Ir). <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 7802-7815	3.9	1
385	Dry reforming of lignin: the effect of impregnation with iron. <i>Mendeleev Communications</i> , 2021 , 31, 376-378	3.8	2
384	Carbon Dioxide Reduction with Hydrogen on Fe, Co Supported Alumina and Carbon Catalysts under Supercritical Conditions. <i>Molecules</i> , 2021 , 26,	4.8	2
383	Advantages of Electrochemical Polishing of Metals and Alloys in Ionic Liquids. <i>Metals</i> , 2021 , 11, 959	2.3	2
382	Kinetics of Oxidation of Reduced Forms of Adsorbed CO ₂ on a (pc)Pt Electrode in Saturated H ₂ CO ₃ under Quasi-Equilibrium Conditions: The Effect of the Potential Oscillations. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 076505	3.9	
381	Microwave-Assisted Synthesis, Characterization and Modeling of CPO-27-Mg Metal-Organic Framework for Drug Delivery. <i>Molecules</i> , 2021 , 26,	4.8	1
380	Advanced Room-Temperature Synthesis of 2,5-Bis(hydroxymethyl)furan Monomer for Biopolymers from 5-Hydroxymethylfurfural. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 1161-1177	8.3	10
379	Nanorolls Decorated with Nanotubes as a Novel Type of Nanostructures: Fast Anodic Oxidation of Amorphous Fe-Cr-B Alloy in Hydrophobic Ionic Liquid. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 2025-2032	9.5	0
378	Adsorption of phenol and 2,4-dichlorophenol on carbon-containing sorbent produced from sugar cane bagasse. <i>Mendeleev Communications</i> , 2021 , 31, 121-122	1.9	1
377	Electrochemical Behavior of Benzene, Diphenyl, and p-Terphenyl in Room-Temperature Ionic Liquid N-Butylpyridinium Chloride/AlCl ₃ . <i>Russian Journal of Physical Chemistry A</i> , 2021 , 95, 217-220	0.7	0
376	Influence of the porous structure and functionality of the MIL type metal-organic frameworks and carbon matrices on the adsorption of 2,4-dichlorophenoxyacetic acid. <i>Russian Chemical Bulletin</i> , 2021 , 70, 67-74	1.7	3
375	Dicationic disiloxane ionic liquids as heat transfer agents in vacuo. <i>Russian Chemical Bulletin</i> , 2021 , 70, 301-308	1.7	1
374	Selective dimerization of cyclohexene over a Re ₂ O ₇ -B ₂ O ₃ /Al ₂ O ₃ catalyst under mild conditions. <i>Molecular Catalysis</i> , 2021 , 502, 111398	3.3	
373	Enhancement of Efficiency of Pd/Al ₂ O ₃ Catalysts in Selective Hydrogenation of Sec-Butylbenzene by Modification with H ₂ SO ₄ or H ₂ WO ₄ . <i>Metals</i> , 2021 , 11, 281	2.3	
372	Dynamics of Oxidation of Reduced Forms of CO ₂ under Electrochemical and Open-Circuit Conditions on Polycrystalline Pt in H ₂ CO ₃ . <i>Metals</i> , 2021 , 11, 274	2.3	1
371	IR spectroscopic investigation of internal silanol groups in different zeolites with pentasil structure. <i>Mendeleev Communications</i> , 2021 , 31, 526-528	1.9	0
370	Studying the Stability of Supported Heteropoly Compounds Using Data from Diffuse Reflectance Infrared Spectroscopy. <i>Russian Journal of Physical Chemistry A</i> , 2021 , 95, 1560-1568	0.7	

369	Influence of the electronic state of the metals in CuPt/SiO ₂ catalysts on the catalytic properties in selective hydrogenation of the C=C bond. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 3436	3.5	
368	Activity of Oxygen on HZSM-5 Type Zeolite in Oxidation of Benzene and Its Derivatives. <i>Russian Journal of Physical Chemistry A</i> , 2021 , 95, 1798-1802	0.7	
367	Dehydrogenation of Propane in the Presence of CO ₂ on Supported Monometallic MO _y /SiO ₂ and CrO _x MO _y /SiO ₂ (M = Fe, Co, and Ni) Bimetallic Catalysts. <i>Russian Journal of Physical Chemistry A</i> , 2021 , 95, 55-62	0.7	3
366	Effect of ultra-low amount of gold in oxide-supported bimetallic AuFe and AuCu catalysts on liquid-phase aerobic glycerol oxidation in water. <i>Catalysis Science and Technology</i> , 2021 , 11, 5881-5897	5.5	0
365	Hydroamination of Phenylacetylene with Aniline over Gold Nanoparticles Embedded in the Boron Imidazolate Framework BIF-66 and Zeolitic Imidazolate Framework ZIF-67. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 59803-59819	9.5	1
364	Production of hydrogen by supercritical water reforming of O-containing organic components of plant raw materials. <i>Biomass and Bioenergy</i> , 2020 , 143, 105849	5.3	2
363	Electrochemical Behavior of an Amorphous Alloy in an Ionic Liquid and in Aqueous Media. <i>Russian Journal of Physical Chemistry A</i> , 2020 , 94, 2379-2381	0.7	
362	Ring Opening of Naphthenic Hydrocarbons on Zeolite Catalysts. <i>Russian Journal of Physical Chemistry A</i> , 2020 , 94, 317-322	0.7	2
361	Dehydrogenation of propane in the presence of CO ₂ on Cr(3%)/SiO ₂ catalyst under supercritical conditions. <i>Mendeleev Communications</i> , 2020 , 30, 195-197	1.9	7
360	Selective Liquid Phase Hydrogenation of Aromatic Nitro Compounds in the Presence of FeCu Nanoparticles. <i>Russian Journal of Physical Chemistry A</i> , 2020 , 94, 1180-1183	0.7	3
359	Dicationic disiloxane ionic liquids. <i>Mendeleev Communications</i> , 2020 , 30, 114-116	1.9	3
358	Impact of the Preparation Procedure on the Performance of the Microporous HKUST-1 Metal-Organic Framework in the Liquid-Phase Separation of Aromatic Compounds. <i>Molecules</i> , 2020 , 25,	4.8	2
357	Template-free one-step synthesis of micro-mesoporous CeO ₂ /ZrO ₂ mixed oxides with a high surface area for selective hydrogenation. <i>Ceramics International</i> , 2020 , 46, 13980-13988	5.1	11
356	Platinum Nanoparticles on Sintered Metal Fibers Are Efficient Structured Catalysts in Partial Methane Oxidation into Synthesis Gas. <i>ACS Omega</i> , 2020 , 5, 5078-5084	3.9	1
355	Hydrodeoxygenation of glycerol into propanols over a Ni/WO ₃ /TiO ₂ catalyst. <i>Mendeleev Communications</i> , 2020 , 30, 119-120	1.9	2
354	Studying the Structural and Adsorption Properties of High-Temperature Adsorbents of Carbon Dioxide Supported on Various Carriers. <i>Russian Journal of Physical Chemistry A</i> , 2020 , 94, 177-181	0.7	1
353	Properties of Dicationic Disiloxane Ionic Liquids. <i>Molecules</i> , 2020 , 25,	4.8	2
352	Impact of Pretreatment of Metal Glass Fe ₇₀ Cr ₁₅ B ₁₅ on Anodization in 1-butyl-3-methylimidazolium Tetrafluoroborate Ionic Liquid. <i>Metals</i> , 2020 , 10, 583	2.3	0

351	Steam reforming of lignin modified with iron. <i>Mendeleev Communications</i> , 2020 , 30, 76-77	1.9	5
350	Heterogeneous iron-containing nanocatalysts promising systems for selective hydrogenation and hydrogenolysis. <i>Catalysis Science and Technology</i> , 2020 , 10, 3160-3174	5.5	12
349	Unusual behavior of bimetallic nanoparticles in catalytic processes of hydrogenation and selective oxidation. <i>Pure and Applied Chemistry</i> , 2020 , 92, 989-1006	2.1	3
348	A review of recent advances towards the development of QSAR models for toxicity assessment of ionic liquids. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121429	12.8	35
347	Hydrogen storage in organosilicon ionic liquids. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 33807-33817	0.7	1
346	Electric heating of the MoVBeNb catalyst bed in oxidative dehydrogenation of ethane. <i>Mendeleev Communications</i> , 2020 , 30, 657-659	1.9	0
345	Recyclization of diethoxymethyl substituted benzimidazo-fused thiazolium salts. <i>Mendeleev Communications</i> , 2020 , 30, 674-675	1.9	3
344	Synthesis and Description of Small Gold and Palladium Nanoparticles on CeO ₂ Substrate: FT- IR Spectroscopy Data. <i>Journal of Surface Investigation</i> , 2020 , 14, 447-458	0.5	0
343	Spectral Study of the Inverse Effect of Metal on the Properties of a Carrier. <i>Russian Journal of Physical Chemistry A</i> , 2020 , 94, 2342-2348	0.7	0
342	Hydrogenation of acetylene into ethane-ethene mixtures over modified Pd/Alumina catalysts. <i>Mendeleev Communications</i> , 2020 , 30, 462-464	1.9	7
341	Adsorbents Deposited on Silicon Carbide. <i>Russian Journal of Physical Chemistry A</i> , 2020 , 94, 1482-1489	0.7	1
340	Zeolite-Like Boron Imidazolate Frameworks (BIFs): Synthesis and Application. <i>Crystals</i> , 2020 , 10, 617	2.3	4
339	Hydrogen generation by gasification of phenol and alcohols in supercritical water. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 30178-30187	6.7	5
338	Systems for accumulation, storage and release of hydrogen. <i>Russian Chemical Reviews</i> , 2020 , 89, 897-916	6.8	12
337	Gold-Containing Catalysts Based on Mesoporous Metal-Organic Frameworks of the MIL Type for Regioselective Hydroamination Reaction of Phenylacetylene. <i>Petroleum Chemistry</i> , 2020 , 60, 895-902	1.1	1
336	Influence of steric factors on reversible reactions of hydrogenation-dehydrogenation of polycyclic aromatic hydrocarbons on a Pt/C catalyst in hydrogen storage systems. <i>Fuel</i> , 2020 , 280, 118625	7.1	17
335	Microwave-Assisted Synthesis of Water-Dispersible Humate-Coated Magnetite Nanoparticles: Relation of Coating Process Parameters to the Properties of Nanoparticles. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
334	Study of Fe- and Ni-Containing Lignins by Diffuse Reflectance IR Spectroscopy and X-ray Diffraction. <i>Russian Journal of Physical Chemistry A</i> , 2020 , 94, 725-730	0.7	2

333	CeZr materials with a high surface area as catalyst supports for hydrogenation of CO ₂ . <i>Functional Materials Letters</i> , 2020 , 13, 2040004	1.2	2
332	Effect of isomerization on the performance of aromatic hydrogen storage systems possessing different condensation extents. <i>Mendeleev Communications</i> , 2019 , 29, 25-28	1.9	1
331	Adsorption of 2,4-dichlorophenoxyacetic acid in an aqueous medium on nanoscale MIL-53(Al) type materials. <i>Dalton Transactions</i> , 2019 , 48, 15091-15104	4.3	17
330	Novel FePd/Al ₂ O ₃ catalysts for the selective hydrogenation of C=C bonds under mild conditions. <i>Mendeleev Communications</i> , 2019 , 29, 339-342	1.9	6
329	Metal-organic frameworks as materials for applications in sensors. <i>Mendeleev Communications</i> , 2019 , 29, 361-368	1.9	22
328	The effect of capping agents on the toxicity of silver nanoparticles to Danio rerio embryos. <i>Nanotoxicology</i> , 2019 , 13, 1-13	5.3	22
327	Hydrogenation of Acetophenone at Room Temperature and Atmospheric Pressure over Pt-Containing Catalysts Supported on Reducible Oxides. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 231-235	0.7	7
326	Tuning the Catalytic Performance of Novel Composites Based on ZIF-8 and Nafen through Dimensional and Concentration Effects in the Synthesis of Propylene Glycol Methyl Ether. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 4215-4225	3.2	7
325	Selective Room-Temperature Hydrogenation of Carbonyl Compounds under Atmospheric Pressure over Platinum Nanoparticles Supported on Ceria-Zirconia Mixed Oxide. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 4159-4170	3.2	15
324	Catalytic activity of H-ZSM-5 and Cu-HZSM-5 zeolites of medium SiO ₂ /Al ₂ O ₃ ratio in conversion of n-hexane to aromatics. <i>Journal of Petroleum Science and Engineering</i> , 2019 , 180, 773-778	4.4	17
323	Unusual Behavior of Fluorescein under Conditions of Electrochemical Oxidation in an Aqueous Phosphate Buffer Solution. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 168-172	0.7	0
322	Dehydrogenation of Bicyclohexyl over Ni/Oxidized Sibunit Catalyst. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 652-657	0.7	3
321	Carbon Dioxide Reduction with Hydrogen on Carbon-Nanotube-Supported Catalysts under Supercritical Conditions. <i>Energy Technology</i> , 2019 , 7, 1900174	3.5	10
320	Ultra-Small Pd Nanoparticles on Ceria as an Advanced Catalyst for CO Oxidation. <i>Catalysts</i> , 2019 , 9, 385	4	12
319	Thermal analysis of intermediates formed during preparation of a Pt/WO _x /Al ₂ O ₃ catalyst for 1,3-propanediol synthesis from glycerol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 2205-2218	4.1	8
318	One-step hydrothermal microwave-assisted synthesis of LaFeO ₃ nanoparticles. <i>Ceramics International</i> , 2019 , 45, 14384-14388	5.1	15
317	New Molecular Sieve Materials: Composites Based on Metal-Organic Frameworks and Ionic Liquids. <i>Petroleum Chemistry</i> , 2019 , 59, 770-787	1.1	4
316	Solid-State NMR of C ₆₀ Amino Acid Derivatives. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 308-310	0.7	1

315	Ligands Based on 2,3,6-O-Cellulose Derivatives for Catalysts of Asymmetric Hydrogenation. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 34-38	0.7	
314	Redox behavior of novel FeO _x /Pd/SiO ₂ catalytic nanomaterials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 1913-1922	4.1	4
313	Electrochemical Synthesis of Polyphenylenes in Room-Temperature Ionic Liquid Butylpyridinium Chloride/AlCl ₃ . <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 2323-2325	0.7	1
312	Antioxidant Properties of Amino Acid Derivatives of Fullerene C ₆₀ . <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 2152-2157	0.7	2
311	Cu-MOF-Catalyzed Carboxylation of Alkynes and Epoxides. <i>Russian Journal of Organic Chemistry</i> , 2019 , 55, 1813-1820	0.7	3
310	Ethane Oxidation in the Presence of Copper-Containing Zirconia Modified with Acid Additives. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 2140-2145	0.7	
309	Influence of the electronic state of the metals in FePt/SiO ₂ catalysts on the performance of hydrogenation of phenylacetylene. <i>Mendeleev Communications</i> , 2019 , 29, 666-668	1.9	3
308	Structure of Metal Organic Frameworks and the Periodicity of Their Properties. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 2331-2339	0.7	
307	Design of novel catalysts for synthesis of 1,5-benzodiazepines from 1,2-phenylenediamine and ketones: NH ₂ -MIL-101(Al) as integrated structural scaffold for catalytic materials based on calix[4]arenes. <i>Journal of Catalysis</i> , 2019 , 369, 60-71	7.3	13
306	Effect of the support morphology on the performance of Co nanoparticles deposited on metal-organic framework MIL-53(Al) in Fischer-Tropsch synthesis. <i>Polyhedron</i> , 2019 , 157, 389-395	2.7	12
305	Palladium nanoparticles embedded in MOF matrices: Catalytic activity and structural stability in iodobenzene methoxycarbonylation. <i>Polyhedron</i> , 2019 , 158, 55-64	2.7	9
304	Mono and Bimetallic Pt(M)/Al ₂ O ₃ Catalysts for Dehydrogenation of Perhydro-N-ethylcarbazole as the Second Stage of Hydrogen Storage. <i>Catalysis Letters</i> , 2018 , 148, 1472-1477	2.8	6
303	Ethane oxidative dehydrogenation to ethylene in a membrane reactor with asymmetric ceramic membranes. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018 , 126, 150-155	3.7	10
302	Thermal decomposition and reducibility of silica-supported precursors of Cu, Fe and CuFe nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 134, 233-251	4.1	11
301	Evaporation Study of an Ionic Liquid with a Double-Charged Cation. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 4622-4627	2.8	4
300	Selective Hydrogenation of Acetylene and Physicochemical Properties of PdFe/Al ₂ O ₃ Bimetallic Catalysts. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 862-869	0.7	8
299	Decalin ring opening on Pt-Ru/SiO ₂ catalysts. <i>Fuel Processing Technology</i> , 2018 , 173, 270-275	7.2	9
298	Ecotoxicity of different-shaped silver nanoparticles: Case of zebrafish embryos. <i>Journal of Hazardous Materials</i> , 2018 , 347, 89-94	12.8	71

297	Reversible hydrogenation/dehydrogenation reactions of meta-terphenyl on catalysts with various supports. <i>Russian Chemical Bulletin</i> , 2018 , 67, 28-32	1.7	4
296	Formation of Nanostructures on the Nickel Metal Surface in Ionic Liquid under Anodizing. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 965-967	0.7	0
295	Conversion of CO ₂ into liquid hydrocarbons in the presence of a Co-containing catalyst based on the microporous metal-organic framework MIL-53(Al). <i>Fuel Processing Technology</i> , 2018 , 176, 101-106	7.2	15
294	Direct hydrogenation of CO ₂ on deposited iron-containing catalysts under supercritical conditions. <i>Mendeleev Communications</i> , 2018 , 28, 147-149	1.9	10
293	Synthesis and Properties of Hydroxyl-Containing Ionic Liquids. <i>Russian Journal of Organic Chemistry</i> , 2018 , 54, 143-145	0.7	2
292	Effect of surface hydrophilization on Pt/Sibunit catalytic activity in bicyclohexyl dehydrogenation in hydrogen storage application. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 6191-6196	6.7	15
291	Cresol Isomerization in the Presence of Acid Catalysts. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 262-264	0.7	0
290	Alkaline-modified ZSM-5 zeolite to control hydrocarbon cold-start emission. <i>Microporous and Mesoporous Materials</i> , 2018 , 260, 54-58	5.3	12
289	Dehydrogenation of polycyclic naphthenes on a Pt/C catalyst for hydrogen storage in liquid organic hydrogen carriers. <i>Fuel Processing Technology</i> , 2018 , 169, 94-100	7.2	35
288	Nitroaldol reaction catalyzed by arylhydrazone di- and triorganotin(IV) complexes. <i>Journal of Organometallic Chemistry</i> , 2018 , 867, 98-101	2.3	2
287	Effect of Isomerization on the Reversible Reaction of Hydrogenation-Dehydrogenation of ortho-Terphenyl on a Pt/C Catalyst. <i>Chemical Engineering and Technology</i> , 2018 , 41, 1842-1846	2	5
286	The Oxidation of Carbon Monoxide as an Integrated Part of the Coupled Alkane Oxidation Process: Gas-Phase Oxidation over Supported Metal-Complex Catalysts. <i>Kinetics and Catalysis</i> , 2018 , 59, 150-159	1.5	2
285	Synthesis of Nanotitania on the Surface of Titanium Metal in Ionic Liquids: Role of Water Additions. <i>Doklady Chemistry</i> , 2018 , 479, 41-44	0.8	1
284	Smart Metal-Organic Frameworks (MOFs): Switching Gas Permeation through MOF Membranes by External Stimuli. <i>Chemical Engineering and Technology</i> , 2018 , 41, 224-234	2	31
283	Modelling the toxicity of a large set of metal and metal oxide nanoparticles using the OCHEM platform. <i>Food and Chemical Toxicology</i> , 2018 , 112, 507-517	4.7	30
282	Silicon nanoparticles: characterization and toxicity studies. <i>Environmental Science: Nano</i> , 2018 , 5, 2945-2951	4.7	8
281	Gasification of metal-containing coals and carbons via their reaction with carbon dioxide. <i>Mendeleev Communications</i> , 2018 , 28, 530-532	1.9	8
280	Spectroscopic investigation of redox and acidic properties of Co-substituted aluminophosphate CoAPO-11. <i>Mendeleev Communications</i> , 2018 , 28, 354-356	1.9	2

279	Microwave-assisted synthesis of magnetite nanoparticles possessing superior magnetic properties. <i>Mendeleev Communications</i> , 2018 , 28, 559-561	1.9	16
278	Gold-Doped Fe/TiO ₂ Catalysts: A Case of Extra-Low Gold Loading in Glycerol Oxidation. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 2143-2147	0.7	5
277	Effect of Vanadium and Zirconium on the Formation of Metastable Phases in Aluminum and Iron Alloys. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 2368-2373	0.7	1
276	Selective Hydrogenation of the C=C to C-H Bond on Fe-Containing Catalysts. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 2412-2416	0.7	3
275	Formation of Finely Dispersed Structures in Aluminum Alloys with Niobium in the Presence of Scandium. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 2362-2367	0.7	1
274	Hydrogenation of naphthalene and anthracene on Pt/C catalysts. <i>Russian Chemical Bulletin</i> , 2018 , 67, 1406-1411	1.7	6
273	Catalytic Conversion of Glycerol in the Presence of Ni/FeAl ₂ O ₃ Catalyst. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 2351-2353	0.7	1
272	Metal-Organic Frameworks-Based Catalysts for Biomass Processing. <i>Catalysts</i> , 2018 , 8, 368	4	28
271	The Mechanism of Low-Temperature Oxidation of Carbon Monoxide by Oxygen over the PdCl ₂ CuCl ₂ /FAOIN Nanocatalyst. <i>Nanomaterials</i> , 2018 , 8,	5.4	4
270	The role of initial hexagonal self-ordering in anodic nanotube growth in ionic liquid. <i>Electrochemistry Communications</i> , 2017 , 75, 78-81	5.1	15
269	Application of silica-supported FeCu nanoparticles in the selective hydrogenation of p-dinitrobenzene to p-phenylenediamine. <i>Russian Journal of Physical Chemistry A</i> , 2017 , 91, 201-204	0.7	14
268	Effect of the conditions of anodizing on the morphology of nanotitania. <i>Russian Journal of Physical Chemistry A</i> , 2017 , 91, 213-216	0.7	4
267	Interaction of copper with dinitrogen tetroxide in 1-butyl-3-methylimidazolium-based ionic liquids. <i>Dalton Transactions</i> , 2017 , 46, 4430-4434	4.3	
266	Physicochemical properties of the surfaces of silica species. <i>Russian Journal of Physical Chemistry A</i> , 2017 , 91, 217-225	0.7	2
265	Reactive Adsorption of Sulfur Compounds on Transition Metal Polycation-Exchanged Zeolites for Desulfurization of Hydrocarbon Streams. <i>Energy Technology</i> , 2017 , 5, 1627-1637	3.5	3
264	Oxidative dehydrogenation of dimethyl ether to 1,2-dimethoxyethane over oxide catalysts. <i>Mendeleev Communications</i> , 2017 , 27, 72-74	1.9	2
263	Organic and hybrid systems: from science to practice. <i>Mendeleev Communications</i> , 2017 , 27, 425-438	1.9	79
262	Phase composition of MgAl mixed oxides, their activity and selectivity in the ethanol condensation reaction. <i>Russian Chemical Bulletin</i> , 2017 , 66, 666-672	1.7	3

261	Methanol synthesis from the catalytic hydrogenation of CO ₂ over CuO/ZnO supported on aluminum and silicon oxides. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 78, 416-422	5.3	36
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